

INTERNATIONAL SEARCH REPORT

ational Application No
/NL2004/000449

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C23C28/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 251 202 A (KANEKO YUJIRO ET AL) 5 October 1993 (1993-10-05) column 2, line 48 - line 60 column 4, line 9 - line 51; table 1 column 3, line 59 - line 68	1-14, 18, 19
Y	PATENT ABSTRACTS OF JAPAN vol. 0133, no. 15 (C-619), 18 July 1989 (1989-07-18) & JP 1 100257 A (RICOH CO LTD), 18 April 1989 (1989-04-18) abstract ----- -/--	1-4, 8-14, 18, 19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the International search

30 September 2004

Date of mailing of the International search report

13/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Elsen, D

INTERNATIONAL SEARCH REPORT

ational Application No

/NL2004/000449

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>US 5 851 679 A (STOWELL WILLIAM R ET AL) 22 December 1998 (1998-12-22)</p> <p>column 3, line 32 - line 36 column 3, line 51 - column 4, line 10 column 2, line 32 - line 35 column 2, line 59 - line 63</p>	<p>1-4, 8-14,18, 19</p>
X	<p>EP 0 219 273 A (BOC GROUP INC) 22 April 1987 (1987-04-22)</p> <p>page 3, line 5 - line 24; claims 1,3,9,11 page 4, line 10</p>	<p>1,6,10, 12-14, 18,19</p>
A	<p>US 5 270 517 A (FINLEY JAMES J) 14 December 1993 (1993-12-14)</p> <p>column 6, line 27 - line 34</p>	<p>1,10,11, 13,14, 18,19</p>
A	<p>FR 1 497 609 A (NORTH AMERICAN AVIATION INC) 13 October 1967 (1967-10-13) page 1; claim 1 page 2, column 2, line 5 - line 15</p>	
A	<p>PATENT ABSTRACTS OF JAPAN vol. 0152, no. 97 (C-0854), 29 July 1991 (1991-07-29) & JP 3 109237 A (NIPPON ELECTRIC GLASS CO LTD), 9 May 1991 (1991-05-09) abstract</p>	<p>1,13,16, 18</p>
A	<p>MARTIN P M ET AL: "MULTILAYER COATINGS AND OPTICAL MATERIALS FOR TUNED INFRARED EMITTANCE AND THERMAL CONTROL" MATERIALS RESEARCH SOCIETY SYMPOSIUM PROCEEDINGS, MATERIALS RESEARCH SOCIETY, PITTSBURG, PA, US, vol. 555, 30 November 1998 (1998-11-30), pages 3-12, XP001041357 ISSN: 0272-9172 abstract</p>	<p>1,13,18</p>
A	<p>HASS G ET AL: "EVAPORATED AG COATED WITH DOUBLE LAYERS OF AL2O3 AND SILICON OXIDE TO PRODUCE SURFACE FILMS WITH LOW SOLAR ABSORPTIVITY AND HIGH THERMAL EMISSIVITY" OPTICS COMMUNICATIONS, NORTH-HOLLAND PUBLISHING CO. AMSTERDAM, NL, vol. 8, no. 3, July 1973 (1973-07), pages 183-185, XP008028009 ISSN: 0030-4018 page 183 - page 185</p>	<p>1,13,18</p>

-/--

INTERNATIONAL SEARCH REPORT

ational Application No

/NL2004/000449

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 410 564 A (CENEFELS JOAQUIN F) 18 October 1983 (1983-10-18) column 2, line 48 - line 52; figure 1 -----	15
A	DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; SHEKLEIN, A. V. ET AL: "Some optical characteristics of electrically conductive tin oxide films on glass" XP002298664 retrieved from STN Database accession no. 66:33207 abstract & GELIOTEKHNKA , (4), 57-63 CODEN: GLOTAY; ISSN: 0130-0997, 1966, -----	17

INTERNATIONAL SEARCH REPORT

International Application No

/NL2004/000449

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5251202	A	05-10-1993	JP 2955639 B2	04-10-1999
			JP 4345932 A	01-12-1992
			JP 2959645 B2	06-10-1999
			JP 4355227 A	09-12-1992
JP 1100257	A	18-04-1989	NONE	
US 5851679	A	22-12-1998	NONE	
EP 0219273	A	22-04-1987	US 4828346 A	09-05-1989
			AU 590619 B2	09-11-1989
			AU 6322486 A	09-04-1987
			BR 8604851 A	07-07-1987
			CA 1297069 C	10-03-1992
			CN 86106503 A , B	03-06-1987
			DE 3687336 D1	04-02-1993
			DE 3687336 T2	29-04-1993
			EP 0219273 A2	22-04-1987
			ES 2036525 T3	01-06-1993
			JP 1871705 C	06-09-1994
			JP 5079024 B	01-11-1993
			JP 62109637 A	20-05-1987
			KR 9002049 B1	31-03-1990
			MX 165693 B	01-12-1992
			NO 863995 A	09-04-1987
			ZA 8607041 A	27-05-1987
US 5270517	A	14-12-1993	US 4898790 A	06-02-1990
			US 5028759 A	02-07-1991
			US 4806220 A	21-02-1989
			BR 8901510 A	14-11-1989
			CA 1337483 C	31-10-1995
			DE 68915042 D1	09-06-1994
			DE 68915042 T2	17-11-1994
			EP 0335309 A1	04-10-1989
			ES 2056136 T3	01-10-1994
			JP 1301537 A	05-12-1989
			JP 2505278 B2	05-06-1996
			KR 9205471 B1	04-07-1992
			AT 77808 T	15-07-1992
			BR 8707076 A	02-08-1988
			CA 1331867 C	06-09-1994
			CN 87105971 A , B	31-08-1988
			DE 3780148 D1	06-08-1992
			DE 3780148 T2	24-12-1992
			EP 0275474 A1	27-07-1988
			ES 2032807 T3	01-03-1993
			GR 3005637 T3	07-06-1993
			JP 3330281 B2	30-09-2002
			JP 8336923 A	24-12-1996
			JP 3389108 B2	24-03-2003
			JP 2000192227 A	11-07-2000
			JP 7015143 B	22-02-1995
			JP 63183164 A	28-07-1988
			KR 9101774 B1	23-03-1991
			US 5059295 A	22-10-1991
FR 1497609	A	13-10-1967	NONE	

INTERNATIONAL SEARCH REPORT

ational Application No

/NL2004/000449

Patent document
cited in search report

Publication
date

Patent family
member(s)

Publication
date

JP 3109237 A 09-05-1991 NONE

US 4410564 A 18-10-1983 NONE